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CLAIMS

- 1. Use, in degreasing/ cleaning hard surfaces such as metal surfaces, of at least one compound employed in a concentration in the range 0.01 to 10 g/l during use of said compound, having the following formula (I):
- Z-X-[CH(\mathbb{R}^3)-CH(\mathbb{R}^4)-O]_n-[CH₂CH₂-O]_P- \mathbb{R}^5 in which formula:
 - Z represents a bicyclo[a,b,c]heptenyl or bicyclo[a,b,c]heptyl radical, where:

$$a+b+c=5$$

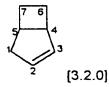
$$a = 2, 3 \text{ or } 4;$$

$$b = 2 \text{ or } 1;$$

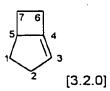
$$c = 0 \text{ or } 1;$$

said radical optionally being substituted by at least one C_1 - C_6 alkyl radical and comprising a backbone Z selected from those indicated below, or the corresponding backbones minus the double bond:

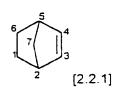
a)



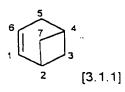
b)



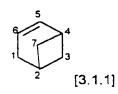
C)



d)



e)



f)

g)





- X represents $-CH_2-C(R^1)(R^2)$ -O- or $-O-CH(R^{-1})$ -CH(R^{-2})-O-, in which:
 - R¹, R², R¹ and R², which may be identical or different, represent hydrogen or a linear, branched or cyclic, saturated or unsaturated C₁-C₂₂ hydrocarbon radical, preferably C₁-C₆;
 - R³ and R⁴, which may be identical or different, represent hydrogen or a linear, branched or cyclic, saturated or unsaturated C₁-C₂₂ hydrocarbon radical, provided that at least one of radicals R³ or R⁴ is other than hydrogen;
 - R⁵ represents hydrogen, linear, branched or cyclic, saturated or unsaturated, aromatic or non-aromatic C₁-C₂₂ hydrocarbon radical,, which may be substituted, or a group selected from the following:

-SO₃M

 $-OPO_3(M)_2$

 $-(CH_2)_r$ -COOM

-(CH₂)_z-SO₃M

in which formulae:

- o M represents hydrogen, an alkali metal or an ammonium function N(R)₄⁺, in which R, which may or may not be identical, represents hydrogen or a linear, branched or cyclic, saturated or unsaturated C₁-C₂₂ hydrocarbon radical,, which may be hydroxylated;
- r is in the range 1 to 6;
- z is in the range 1 to 6;
- on is a whole or fractional number in the range 3 to 5 inclusive;
- p is a whole or fractional number in the range 6 to 10, limits excluded.





- 2. Use according to the preceding claim, characterized in that the compound is such that in formula (I), n is equal to 3.
- 3. Use according to any one of the preceding claims, characterized in that the compound is such that in formula (I), p is in the range 6.2 to 7, limits included, preferably in the range 6.3 to 7, limits included.
- 4. Use according to claim 1, characterized in that the compound is such that in formula (I), n is in the range 4 to 5.
- 5. Use according to the preceding claim, characterized in that the compound is such that in formula (I), p is in the range 7 inclusive to 10 exclusive, preferably in the range 8 inclusive to 10 exclusive.
- 6. Use according to any one of the preceding claims, characterized in that the compound is such that in formula (I), radical Z is substituted on at least one of its carbon atoms by two C₁-C₆ alkyl radicals.
- Use according to any one of the preceding claims, characterized in that the compound is such that in formula (I), X represents $-CH_2-C(R^1)(R^2)-O$ and in that the backbone Z is selected from formulae c) to g).
- 8. Use according to any one of the preceding claims, characterized in that the compound is such that in formula (I), backbone Z is selected from formulae d) and e).
- 9. Use according to any one of claims 1 to 5, characterized in that the compound is such that in formula (I), X represents -O-CH(R¹)-C(R²)-O- and in that radical Z corresponds to backbone c), the bicyclic backbone being free of a double bond.
- 10. Use according to the preceding claims, characterized in that the compound is such that in formula (I), radical Z is substituted by a C₁-C₆ alkyl radical, preferably a methyl radical on carbon 2 or carbon 5 of the bicycle.

- Use according to any one of the preceding claims, characterized in that the compound is used for degreasing/cleaning metal plates; the concentration of compound is in the range 0.01 to 5 g/l during use.
- 12. Use according to any one of claims 1 to 10, characterized in that the compound is used for degreasing/cleaning platforms; the concentration of compound is in the range 0.01 to 10 g/l during use.
- 13. Use according to any one of claims 1 to 10, characterized in that the compound is used for degreasing/cleaning oil production wells; the concentration of compound is in the range 0.01 to 5 g/l.